

IN THE CLAIMS

The status of each claim in the present application is listed below.

1. (Currently Amended) A lubricating oil additive comprising a reaction product of a succinimide compound and a phospho sulfurized hydrocarbon compound,

wherein the phospho sulfurized hydrocarbon compound has a structure in which two alkyl groups are bonded to a phosphorus atom, and

wherein the phospho sulfurized hydrocarbon compound is produced using a phosphorous sulfide selected from the group consisting of P₂S₃, P₂S₅, P₄S₇ and P₄S₁₀.

Claims 2-4: (Canceled).

5. (Currently Amended) A lubricating oil additive as recited in Claim 1 [[3]], wherein the alkyl groups have 2 to 25 carbon atoms and which may have an ether bond and/or a thioether bond.

6. (Previously Presented) A lubricating oil composition comprising a mineral oil and/or a synthetic base oil, and a lubricating oil additive according to Claim 1.

7. (Original) A lubricating oil composition as recited in Claim 6, wherein the composition is used for a transmission having a wet clutch or a wet brake.

8. (Original) A lubricating oil composition as recited in Claim 6, wherein the composition is an automatic transmission fluid or a continuously variable transmission fluid.

Claims 9-10: (Canceled).

11. (Previously Presented) A lubricating oil additive as recited in Claim 1, wherein the phospho sulfurized hydrocarbon compound is the reaction product of an olefin and a phosphorous sulfide.

12. (Previously Presented) A lubricating oil additive as recited in Claim 11, wherein the olefin is propylene, butylenes, isobutylene, decene, cetene, octadecene, a terpene, vinylnorbornene or camphene and the phosphorous sulfide is P₂S₃, P₂S₅, P₄S₇ or P₄S₁₀.

13. (Previously Presented) A lubricating oil additive as recited in Claim 11, wherein the olefin is α -pinene and the phosphorous sulfide is P₂S₅.

14. (Previously Presented) A lubricating oil composition as recited in Claim 6, which comprises 0.01 to 50 % by mass of the lubricating oil additive.

15. (Previously Presented) A lubricating oil composition as recited in Claim 6, which comprises 0.1 to 20 % by mass of the lubricating oil additive.

16. (Previously Presented) A lubricating oil composition as recited in Claim 6, which comprises mineral oil.

17. (Previously Presented) A lubricating oil composition as recited in Claim 6, which comprises the synthetic oil.

18. (Previously Presented) A lubricating oil composition as recited in Claim 6, wherein the base oil has a kinematic viscosity at 100°C is 1 to 30 mm²/s.

19. (Previously Presented) A lubricating oil composition as recited in Claim 6, wherein the base oil has a kinematic viscosity at 100°C is 2 to 20 mm²/s.

20. (Previously Presented) A lubricating oil composition as recited in Claim 6, wherein the base oil has a kinematic viscosity at 100°C is 3 to 10 mm²/s.

21. (Previously Presented) A lubricating oil composition as recited in Claim 6, wherein the base oil has a %C_A of 20 % or less.

22. (Previously Presented) A lubricating oil composition as recited in Claim 6, wherein the base oil has a %C_A of 10 % or less.

23. (Previously Presented) A lubricating oil composition as recited in Claim 6, which is a automatic transmission fluid or a continuously variable transmission fluid.

Claim 24: (Canceled).

25. (Currently Amended) A lubricating oil additive as recited in Claim 1 [[3]], wherein the phospho sulfurized hydrocarbon compound is the reaction product of an olefin and a phosphorous sulfide.